

Abstract

An approach for gas flow control is achieved with an arrangement involving a sealed housing with relatively few components. According to an example embodiment, a gas flow controller comprises a gas inlet, a gas outlet, and an auxiliary chamber including a partition wall that separates it from the gas inlet. By means of a differential pressure between the inlet and the auxiliary chamber, a valve arrangement is actuated through a diaphragm provided on the partition wall to control a flow from the gas inlet to the gas outlet. A servo pump 2 is provided on the partition wall and produces the differential pressure by pumping the gas from the auxiliary chamber to the gas inlet.